

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04B10/10		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) IPC 7 H04B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/095989 A (TREX ENTERPRISES CORPORATION; YAFUSO, EIJI) 28 November 2002 (2002-11-28)	1-4, 6, 11, 12, 31
Y	page 5, line 13 - line 18 page 5, line 24 - line 26 page 6, line 2 - line 3 page 7, line 1 - line 3 page 7, line 21 - line 23 figure 1 <div style="text-align: center; margin-top: 10px;">----- -/--</div>	23, 25-27
<div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex. </div>		
* Special categories of cited documents :		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*G* document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search	Date of mailing of the international search report	
22 February 2005	28/02/2005	
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Cochet, B	

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 977 070 A (TRW INC) 2 February 2000 (2000-02-02)	1, 3, 4, 6, 7, 11, 13-15, 31
Y A	paragraphs '0025!, '0030!, '0031!, '0050!, '0051!, '0053!; figure 1 -----	18, 30 29
X	US 5 777 768 A (KOREVAAR ET AL) 7 July 1998 (1998-07-07)	1-3, 5, 6, 8-10, 13, 16, 17, 19-22, 24, 28, 29, 31
Y	column 5, line 17 - line 23 column 6, line 13 - line 20 column 7, line 39 - column 8, line 3 column 8, line 23 - line 24 column 9, line 41 - line 43 figures 1, 3, 5a, 6a, 7 -----	18, 23, 25-27, 30
A	US 2003/090765 A1 (NEFF BRIAN W ET AL) 15 May 2003 (2003-05-15) paragraphs '0008!, '0043!, '0046!, '0049! -----	15, 30

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 02095989	A	28-11-2002	US 2003194238 A1 WO 02095989 A1	16-10-2003 28-11-2002
EP 0977070	A	02-02-2000	US 6462846 B1 EP 0977070 A1 JP 2000082996 A	08-10-2002 02-02-2000 21-03-2000
US 5777768	A	07-07-1998	NONE	
US 2003090765	A1	15-05-2003	NONE	